



RECEIVED

3/4

JUL 26 2002

underlined = deleted in targeting construct

TECH CENTER 1600/2900

BOLD = sequence flanking Neo insert in targeting construct

GGCAGAACGGGCATAGTGGAACGGACCGTGTGGTATGCTCCGCGATGTCTGAGGCGACTT
GGTGGTACCGAGGAGGGACTTCAAAACATGACCTGCATTACAGAAGGGAAGCGGAGGTTA
ACACCACACTCGAGGAGTTGTTACTCTATTTTTATTTTCTTAATAAATCTATGCATATTGA
CTTTTGGGATGGTCAATCCACATATGTACTATTTAAACAAAGTTATGTCGTCTCTGTTTG
TGGACACTTCTCTACCTGATGATGAAAGAAGCAGCTTTAGGTCCATTTCGGAGCATAACTG
AGTTTGGAGTTTCATGGAAGGACCCCTCATCGACGGCTTGTACTGGGACTCGTGGTATG
GCACCAAACAGCTGTACAGTGTGAAGAACAGCAGCCGCATCTACTACGAGAACGTTCTTC
TCGGCATCCCCAGAGTGCGGCAACTGCGAGTCCGAAACAACACTTGCAAGGTCTACCCAG
CTTTCCAGTCCCTGGTCAGCGACTGCTACAGCAAGTACACAGTGGAAAAACGAAGACTTCT
CTGATTTTGGCCTCAAACGCAATCCAGAATGGACGCACACGCCCTTCTTCCCGCACTGCC
CATGGCACTGGGGGTTTGTGGCGTATACCGAGATGGAGGATATATAGTCACGTTATCAA
AATCAAAATCTGAAACCAAAGCCAAATTTGTTGACCTTCGACTGAACAACTGGATTAGCA
GAGGCACCAGGGCTGTTTTTATTGATTTCTCCCTGTACAATGCTAATGTCAACCTGTTTT
GCATCATCAGGCTGCTGGCAGAGTTCCCTGCGACGGGTGGGCTCCTCACCTCCTGGCAGT
TCTACTCTGTGAAGCTCCTCAGATACGTCTCCTACTACGACTACTTCATTGCCTCCTGTG
AAGTCATATTTTGTATTTTCTCTTTGTCTTCATAATACAAGAACTGAGGAAAGTGAACG
AGTTTAAAGTCTGCCTATTTTCAAGTGTCTGGAACGGCTGGAGATGCTGCTCCTGCTGC
TCTGTTTTCTCGCCGTGCTTTCTATGCATACTGTAACATGCAGAGCTTTCTCTTGCTTG
GACAGTGTGAAAAACACTGACAGCTATCCCGACTTTTACTTCTTGCATACTGGCACA
TTTACTATAACAACGTAATTGCTATCATACTTCTTTTGCATGGATAAAGATATTCAAGT
TCATAAGCTTCAATGAGACAATGTGCGAGCTGTCATCAACACTCTCCCGCTGCATGAAGG
ACATCGTGGGGTTTCCCATCATGTTCTTCATCATCTTCTCTGCTTATGCCCCAGTTGGGAT
TTCTGGTTTTTGGGTACAGGTTGATGATTTTTCAACTTTTCAAATTCATATTTGCAC
AATTTTGAATTTGCTCCTCGGGGACTTTAACTTTGCTGGCATCCAGCAGGCCAACTGGATCT
TGGGGCCCCTACTTTCATCAGTTTCTCTTTTGTGTTCTTTGTGCTCCTGAACATGT
TCTTGGCAATAATTAATGACACCTATTCTGAAGTTAAGGCTGATTATTCAATAGGCAGAA
GACCAGATTTTGAACCTGGTAAATAATTCAAAGAGTTGCTTTAATGTTCTCGAGAAAC
TCAGACTCAAGAAAGCTCAAGCTAAAGAAGAAAAGAAAATGCAAACCACTGACTTGGCCC
AGAGAGCCAGAAGAGAAGGCTTTGATGAAAGTGAGATCCAAGAGGCAGAGCAGATGAAAA
GATGGAAGGAAAGGCTTGAAAAAAGTATTATTTACAGAAATTCAAGACGATTATCAGC
CTGTCACTCAGCAAGAATTCCGAGAGCTCTTTTATACGCGGTGGAGCTTGAGAAGGAAT
TACACTATGTGAGTTTAAACCTGAACCAACTGATGAGAAAGCTGCACCTAGCAGGCTGACA
AGTGGAGTCATTTTATAAGAAAAGGCAACCGAAGAATTTTCATTTCAGTATGAAGATTTTTT
CCTCTCAATTTTCTTCAGTAATGCAAAAGAAAAACCAAAAAGTAACCAGAAGTGCTTTTT
ATTTCAAAGTTCTTGAAGTAAAAGAGTAAACCTTTGTCTTTGCTAACAGCCGTGCTGTG
CAGTAAACAATGAAGGAGCCTGCGTGTTTCCTAAGTGTGGAGAGGATCTGCGGGGAATGT
GGAACAGCTTTCCCTTGCCCTACTGGAACCACAAACAAGCACACAATGGGACTCTCTGAGTG
CCTGACAAAGTGAACGCAAGTACAGCCAAGCACACATGGTGAACCTGTCAGGGAACACAAG
CACTTTATGGCGTCAACTTTCAAGGAACATATTTTATATGGATTTTGAAGAGTCTTGTTT
GCTGATAAGAACTTCAAGAAGTCTAAGCTTGGCTTTGATTCTCTTGATTCCTTATATTC
CTCAAGCACCGGAACACGATCCTCCTTCTGGGCATTCTAGGGAAGATAAACTCTGTAA
AGCAAAAAAAGAAAAA (SEQ ID NO:1)

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FIGURE 3